ARRI 16SR-3 Camera Systems

16mm/Super 16 synch-sound film camera with S.M.P.T.E. Time Code capability, 54mm PL lens mount and an on board exposure meter.
Frame Rate: electronically preselected crystal speeds 24, 25, 29.97 30 fps.
Continuously adjustable crystal speeds of 5-75.
The high speed SR-3 model runs 5-150 crystal
No reverse filming.
Power Supply: 24v D.C.
Mirror Shutter: Mechanically adjustable in camera off mode to preset angles of 180°, 172.8°, 144°, 135°, 90°, 45°.
Weight: 15 lbs. (camera body with empty 400' magazine)

16SR3 Advanced

A 70% increase in viewfinder brightness by omitting the exposure meter.
Opimized film guide to fully ensure an extended film running time of 21 minutes.
Modified drive performance for use with 800' magazines.

16SR 800ft Magazine

The 800ft quick-change coaxial magazine offers twice the running time of the standard magazines for all ARRIFLEX 16SR cameras.
Despite its higher capacity the magazine is still ergonomic: it weights only about a kilo more than the standard magazine. Its shape also supports safe carrying and handling.
The magazine is designed for the standard frequency range up to 75fps. Robust, low-maintenance mechanical drive elements ensure trouble-free operation and enable the use of the magazine on the SR1 and SR2 cameras as well.
Through the noise isolation, the camera remains as quiet as with the standard magazine.
The 800ft magazine is available with SMPTE-Timecode recording unit.

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Camera 16mm

ARRI 16SR-3 Camera

Includes:
Bridge Plate
Two Power Cables 350.00

ARRI 16SR-3 Advanced Camera

Includes:
Bridge Plate
Two Power Cables 350.00

ARRI SR3 High Speed Camera

Includes:
Bridge Plate
Two Power Cables 375.00

ARRI 16SR-3 Magazines, Barney's and Raincovers

400' SR-3 Magazine with Time Code	50.00
400' SR-3 High Speed Magazine with Time Code	50.00
800' SR-3 Magazine with Time Code	72.00
Heated Barney for SR-3	40.00
Raincover for SR-3	25.00

IVS Integrated Video-Assist System for 16SR3

Flickerfree from 5 - 150 fps
Frameline inserter, TimeCode and text inserter
Integrated IVS film counter
High Speed video optic 1:1,4
Automatic and manual gain control
Composite and Y/C output 300.00

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ARRI 535 Camera System

35mm/Super 35 synch-sound film camera with S.M.P.T.E. Time Code capability.
54mm P.L. lens mount.
Movement: dual pin registration
Filming Speeds: 24, 25, 29.97, 30 fps electronically preset.
Continuously programmable crystal speeds of 3-50 fps.
Reverse filming at 24 or 25 fps
Power Supply: 24V DC
Mirror Shutter: single blade, electronically adjustable during filming from 11° to 180°
Weight: 38.6 lbs (camera body with empty 400' mag)

ARRI 535B Camera System

35mm/Super 35 synch-sound film camera with S.M.P.T.E. Time Code capability.
54mm P.L. lens mount.
Movement: dual pin registration
Filming Speeds: 24, 25, 29.97, 30 fps electronically preset.
Continuously programmable crystal speeds of 3-60 fps.
Reverse filming at all frame rates.
Power Supply: 24V DC
Mirror Shutter: Mechanically adjustable in camera off mode by 15° increments from 15° to 180°; also 144° and 172.8°
Weight: 31 lbs (camera body with empty 400' mag)

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Camera 35mm

ARRI 535 Camera

Includes:
Bridge Plate
Two Power Cables 650.00

ARRI 535B Camera

Includes:
Bridge Plate
Two Power Cables 650.00

535/535B Magazines, Barneys and Raincovers

400' Magazine	50.00
400' Lightweight Magazine	50.00
1000' Magazine	72.00
Heated Barney 400' Magazine	40.00
Heated Barney 1000' Magazine	40.00
Raincover for 535	25.00
Raincover for 535B	25.00

IVS Integrated Video-Assist System for 535B

Flickerfree from 5 - 60 fps
Frameline inserter, TimeCode and text inserter
Integrated IVS film counter
High Speed video optic 1:1,4
Automatic and manual gain control
Composite and Y/C output 300.00

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ARRI 435es Camera System

35mm/Super 35 MOS film camera with S.M.P.T.E. Time Code capability and 54mm P.L. lens mount.
Movement: dual pin registration
Frame Rates: 1-150fps crystal forward or reverse.
Electronically preset crystal speeds of 23.976, 24, 25, 29.97, 30 fps.
Power Supply: 24v (30v when camera is run at a frame rate >130 fps).
Mirror Shutter: Electronically adjustable during filming from 11.2°-180°.
Weight: 20 lbs (camera body with empty 400' magazine)

ARRI 435 ES Camera Package

Includes:	
Bridge Plate	
Two Power Cables	700.00

435 Magazines, Barneys and Raincovers

400' Magazine	50.00
1000' Magazine	72.00
435 Raincover	25.00
Reflector 400, Magagzine	15.00

IVS Integrated Video-Assist System for 435

Flickerfree from 5 - 150 fps	
Frameline inserter, TimeCode and text inserter	
High Speed video optic 1:1,4	
Automatic and manual gain control	
Composite and Y/C output	300.00

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Features maximum contrast and resolution over the entire focal range by employing internal floating elements, allowing for close-up possiblities almost up to the front element of these lenses.
The uniform brightness across the entire image area augments the impression of sharpness.
ULTRA PRIMES are corrected not only for infinity, but also particularly for close focus. As a result color fringing is no longer perceivable.
The color characteristics of all lenses of the entire set lie close together with very narrow tolerances.
The 135mm lens employs a ten-bladed iris construction, the other focal lengths a nine-bladed design. The contours of the aperture are better rounded, and the depiction of unsharp light sources on the film are more round than angular.
All ULTRA PRIMES have a rigid, robust housing. The focus drive mechanics are particularly sensitive and free of backlash.
The overall length is constant over the entire focusing range. The position of the gears for iris and focus does not move axially during focusing.
Front diameter on most of the lenses is 95mm, overall length is 143mm. Only the 10mm has a front diameter of 156mm (length: 195mm), the 14mm lens a front diameter of 114mm (length: 164mm).

Carl Zeiss/ARRIFLEX ULTRA PRIMES

Ultra Prime 10mm T2.1	150.00
Ultra Prime 14mm T1.9	150.00
Ultra Prime 16mm T1.9	n/a
Ultra Prime 20mm T1.9	150.00
Ultra Prime 24mm T1.9	150.00
Ultra Prime 28mm T1.9	n/a
Ultra Prime 32mm T1.9	150.00
Ultra Prime 40mm T1.9	n/a
Ultra Prime 50mm T1.9	150.00
Ultra Prime 85mm T1.9	150.00
Ultra Prime 100mm T1.9	n/a
Ultra Prime 135mm T1.9	n/a

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Cooke S4 Prime Lenses

The optics of the Cooke Series 4 prime lenses have been designed to give maximum performance at full aperture with good control of flare, distortion and spherical aberation.
All lenses of the series have a true T2 aperture and cover Super 35 format.
The front diameter on all lenses is 110mm.

Cooke Series 4 18mm	150.00
Cooke Series 4 25mm	150.00
Cooke Series 4 32mm	150.00
Cooke Series 4 50mm	150.00
Cooke Series 4 75mm	150.00
Cooke Series 4 100mm	150.00

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The ARRI Tilt Focus Lenses can be tilted out of their optical axis and turned. This allows the user to displace the focal plane freely, i.e. to focus on a object plane not parallel to the film plane, and to isolate a particular part of an image through a specifically set focal plane.
An important advantage of the ARRI Tilt Focus Lenses is, that the image center hardly moves at all while tilting the lens, considerably simplifying tilting during a shot.

ARRI Tilt Focus Lenses

24mm T4.0	100.00
45mm T2.8	100.00
90mm T2.8	100.00

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REVOLUTION Snorkel/Periscope System

The REVOLUTION is a modular snorkel lens system, which accepts two different modules: The Snorkel Module (Horizon Tracker) and the Periscope Module (Dual-Swivel Module).
The lens system has a built-in image orientation optics that give the user control over image/horizon roll (360 degrees continuous). By engaging the Horizon Lock, the image orientation element becomes mechanically linked to the pan axis of the snorkel. The objective lens of the snorkel can be panned - and the horizon remains level, without having to pan or move the camera. The user has the ability to select the Dutch angle of the image, pan the lens and maintain that angle.
The horizon tracking feature allows panning in very tight situations: a 360 degree pan can be achieved in an area of about 6 to 7 inches in diameter.
The Dual-Swivel Module adds a second pan axis to the lens system. With the camera aimed downward, the pan axis of the objective lens can be used to achieve the desired shooting angle. With the horizon tracking lock engaged, the main axis can now be panned with the horizon remaining level during panning.
The REVOLUTION has no field lens. The image transmitted through the lens system at no point becomes focused near a lens surface, whether shooting at extreme close focus or infinity. The result is that there is no problem with dust ruining the shot by becoming focused in the frame.

T-stop: 7.5 - 45
Filtration: 40.5mm in Mount

REVOLUTION Snorkel/Periscope System

Includes:
Main Section (Horizon Control/Tracking, Focus, Iris)
Mini-PL Right Angle Horizon Tracker
Mini-PL Dual Swivel Periscope Module
ARRI-PL Dual Swivel Periscope Module
Mini-PL mounted lenses:
9.8mm
12mm
16mm
20mm
24mm
32mm
40mm
60mm 1200.00

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REVOLUTION Snorkel/Periscope System

Lens Coverage:

Mini-PL Lenses:

9.8mm - 60mm covers HDTV and Super 2.35
16mm - 60mm covers Full Aperture

ARRI-PL Mounted Lenses:

Coverage for		1:1.33/TV/Safe	1:1.33/TV Transmission 1:1.33/TV/Safe Action
Zeiss T1.3	18mm	•	•
	25mm	•	•
	35mm	•	•
	50mm	•	•
	85mm	•	•
Zeiss T2.1	10mm	•	
	14mm	(TV Safe only)	
	28mm	•	•
	40mm	(TV Safe only)	
	50mm	•	•
	T3/60mm	•	
	85mm	•	•
	100mm	•	•
	135mm	•	•
Cooke S4	14mm	(TV Safe only)	
	18mm	(TV Safe only)	
	25mm	(TV Safe only)	
	32mm	•	•
	50mm	•	•
	75mm	•	•
	100mm	•	•

(Preliminary List May 1999)

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Century S2000 Periscope

The Century Optics S 2000 MK II Periscope is designed to work with all current 16 and 35mm motion picture cameras.
It is available with interchangeable front section that allow the system to be used in both straight and right angle configurations.
These two systems cause no light loss.
The focus and iris have integral gears mounted for the use of accessory follow focus and iris control systems.
A filter holder near the camera mount holds two 40.5mm filters.

Century S 2000 Periscope System

Includes:
Straight Section
90° Section
Low Support
Support Rods 500.00

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Century S2000 Periscope

Zeiss Prime Lenses: Compatibility with S 2000 Periscope

The System has been designed to allow the widest possible range of lens and camera combinations.
When incompatibility occurs, vignetting is the result. It will normally become worse as the aperture on the periscope becomes smaller.
It is always critical to verify in the viewfinder if any clipping is objectionable.
If in doubt, it is highly recommended to run a film test.

Focal Length/T-Stop	35mm FULL	35mm ACADEMY
10mm T2.1	(Super16)	
12mm T2.1	(not full open)	•
14mm T2.1	(not full open)	(not full closed)
16mm T2.1	(not full open)	•
18mm T1.3	(not full open)	(not from f11)
18mm T2.1	(not full open)	(not from f22)
20mm T2.1	(not from f11)	•
24mm T2.1	(not full open)	•
25mm T1.3	(not from f11)	•
28mm T2.1	(not from f11)	•
32mm T2.1	•	•
40mm T2.1	•	•
50mm T1.3	(not from f16)	•
50mm T2.1	•	•
60mm T3 Macro	•	•
65mm T1.3	•	•
85mm T1.3	•	•
85mm T2.1	(not from f22)	•
100mm T2.1	(not from f16)	•
135mm T2.1	(not from f16)	•
180mm T3	(not full open)	(not from f8)

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ARRI Lens Control System

The ARRI Lens Control System - LCS - is an easy-to-use remote control system for camera lenses. A compact, modular system that can be expanded from simple zoom control to a complete remote-control system for zoom, focus and iris.
It can be operated via radio or remotely controlled via a cable.
The system covers all control possibilities for standard lenses for ARRIFLEX cameras and can also be used on cameras from other manufacturers.

Iris Control Unit ICU-1

The ICU-1 provides constant exposure during speed-ramps, even on cameras that are not equipped with an electronically adjustable mirror shutter.
It constantly monitors the frame rate of the camera. During a frame rate change, the ICU-1 will calculate a new value for the iris to compensate for the exposure change, and instruct the lens motor to change the iris accordingly.

Lens Control Motor CLM-1

The main features of these motor units are their high torque; they are particularly suited to work with stiff lenses or in cold weather.

Lens Control Motor CLM-2

The small, lightweight motor units are particularly suited to applications for which weight and size are decisive factors, for example Steadicam shots, or with sensitive lenses.
The motor consoles allow for greater flexibility for mounting motor to lens.
To use a CLM-2 motor, the Universal Motor Controller UMC-1 is necessary.

Shift+Tilt Focus Motor CFM-1

The remote focus motor for the ARRI Shift+Tilt System, allows one to adjust the range, speed and, as main feature, the transmission ratio.

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Lens Control System

LCS Zoom Control

Includes:
Zoom Main Unit ZMU-1
Lens Control Motor CLM-1 or CLM-2 (+UMC-1) 55.00

Lens Control System complete

Includes:
Zoom Main Unit ZMU-1
2 Focus Iris Units FIU-1
3 Lens Control Motors CLM-1 and/or CLM-2 (+UMC-1) 175.00

Wireless Lens Control System complete

Includes:
Wireless Main Unit WMU-1
Zoom Unit WZU-1
Focus/Iris Unit WFU-1
Batteries for Main Unit (+Charger)
Motor Controller UMC-1 with Radio Module URM-1
3 Lens Control Motors CLM-2 (or 1x CLM-1, 2x CLM-2) 200.00

Iris Control Unit

Includes:
ICU-1
Lens Control Motor CLM-1 or CLM-2 (+UMC-1) 125.00

LCS Accessories

Movable Iris Drive Gear n/c
On lenses where the iris ring moves laterally when the lens is being focused, the iris drive gear on the Lens Control Motor moves with it.

Memory Module MEM-1 (for ZMU-1) n/c

LCS Panhandle 25.00

Wireless Extension Unit WEU-1 (for WMU-1) n/c
Allows the user to detach Zoom Unit and/or Focus/Iris Unit from WMU-1

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The LOCPRO 35 is a lightweight mobile 35mm Location Projector.
The switchable mirror system allows for either wall or video projection through a 1/3' high resolution CCD-Color Imager.
Image/sound synchronization with DAT recorders, magnetic film players or hard disc recorders is possible by connecting an Audio Synch Unit (ASU, Bi-phase signal) to the LOCPRO 35 or via time code (LTC) interface.
The intermittent film drive system advances the film via a double-sided sprocket wheel at intervals of less than 0.01 seconds, regardless of projection speed. This provides a maximum of "open time" for projection, resulting in a bright, steady and flicker-free image in wall, as well as, video mode.
A 400W HTI lamp provides a bright image at an average color temperature of 5400°K.
Optimum wall projection is achieved at a distance of 14ft which translates into an image width of 7.5ft.

ARRI LocPro 35 300.00

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The unit consists of a SONY PC1E Digital Video Camera and a PL mount adaptor with 535/435 ground-glass holder.
It allows the user to view and record a scene through the original PL-mounted camera lens.
Depth-of-field and focus are exactly the same as with a film camera.
All ARRI 435/535 ground-glasses can be used. The ground-glass markings are visible in the viewfinder and are also recorded on tape.
The SONY Digital Video Camera provides outputs for S-VHS and Firewire.

ARRI Digital Director's Viewfinder

Includes:
SONY PC1E
Rechargable Battery
Charger
Handgrip 320.00

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